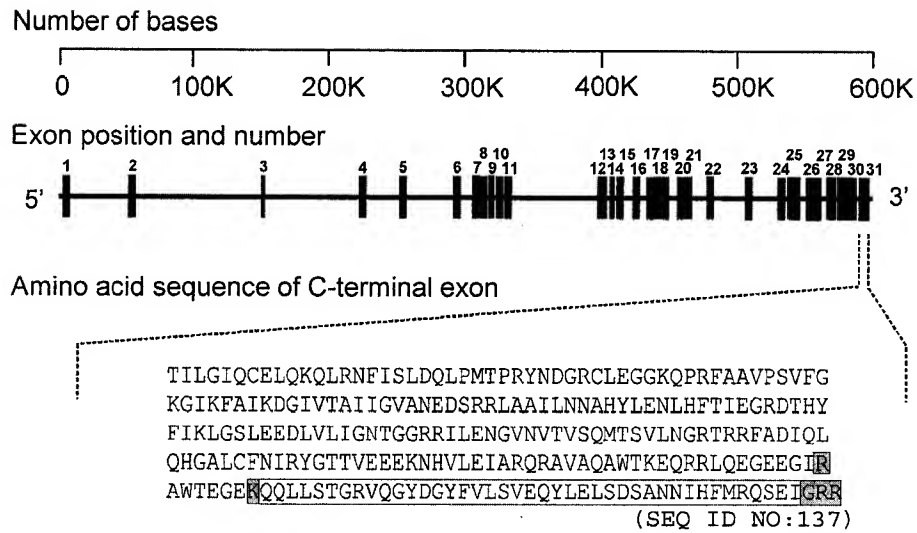


FIGURE 6B



Mammalian TCAP Sequences

Accession Numbers

human TCAP 1	QQLSTGRVQGYDGYFVLSVEQYLPVEQYPLADSSNQHFMROSEI-NH2	nm_014253 (SEQ. ID. NO. 69)
human TCAP 2	QQLSTGRVQGYEGYYVLPVEQYPLADSSNQHFMROSEI-NH2	xm_047995 (SEQ. ID. NO. 78)
human TCAP 3	QLLSAGKVQGYDGYVLSVEQYPLADSSNQHFMROSEI-NH2	ak001336 (SEQ. ID. NO. 85)
human TCAP 4	QQVLSGRVQGYDGYFVLSVEQYPLADSSNQHFMROSEI-NH2	ak056531 (SEQ. ID. NO. 94)
mouse TCAP 1	QQLGTGRVQGYDGYFVLSVEQYLPVEQYPLADSSNQHFMROSEI-NH2	nm_011855 (SEQ. ID. NO. 37)
mouse TCAP 2	QQLSTGRVQGYEGYYVLPVEQYPLADSSNQHFMROSEI-NH2	nm_011856 (SEQ. ID. NO. 46)
mouse TCAP 3	QLLSAGKVQGYDGYVLSVEQYPLADSSNQHFMROSEI-NH2	nm_011857 (SEQ. ID. NO. 53)
mouse TCAP 4	QQVLSGRVQGYDGYFVLSVEQYPLADSSNQHFMROSEI-NH2	ab025413 (SEQ. ID. NO. 66)
Rat TCAP 2	QQLSTGRVQGYEGYYVLPVEQYPLADSSNQHFMROSEI-NH2	nm_020088 (SEQ. ID. NO. 78)

Avian TCAP Sequences

chicken TCAP 1	QQLNTGRVQGYDGYFVLSVEQYLPVEQYPLADSSNQHFMROSEI-NH2	aj238613 (SEQ. ID. NO. 101)
chicken TCAP 2	QQLNTGRVQGYEGYYVLPVEQYPLADSSNQHFMROSEI-NH2	aj279031 (SEQ. ID. NO. 136)

Piscine TCAP Sequences

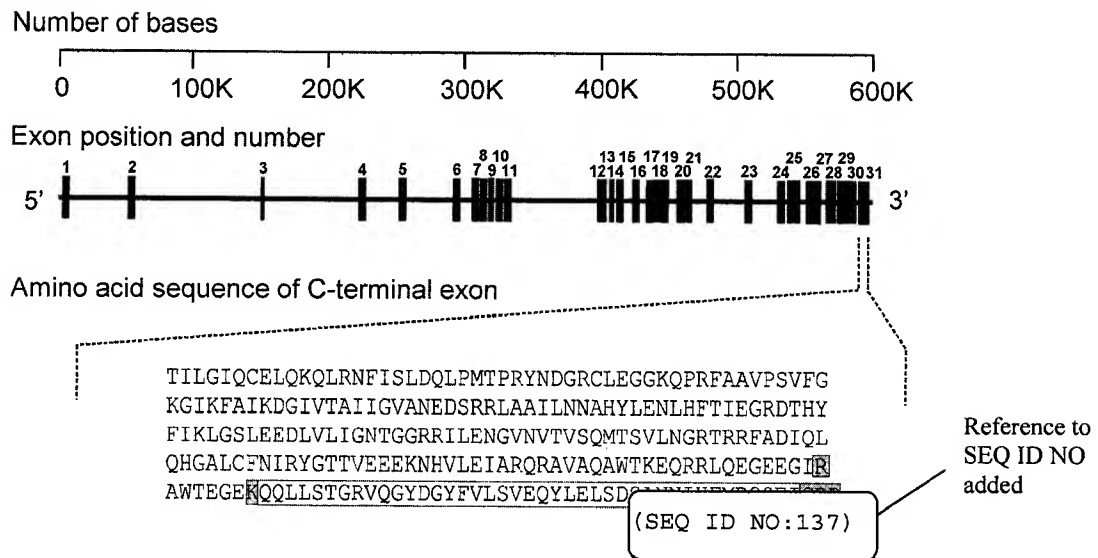
Rainbow trout TCAP 3	QLLSGRKVLDGYDGYVLSVEQYLPVEQYPLADSSNQHFMROSEI-NH2	not entered Yet (SEQ. ID. NO. 13)
zebrafish TCAP 3	QLLSGKVLGDDGYVLSVEQYLPVEQYPLADSSNQHFMROSEI-NH2	nm_130968 (SEQ. ID. NO. 21)
zebrafish TCAP 4	QLLSGKVLGDDGYVLSVEQYLPVEQYPLADSSNQHFMROSEI-NH2	ab026980 (SEQ. ID. NO. 30)
Insect Drosopholia	ELVQHGDVDGWNGLDIHSIKYPPQLADOPGNVAFQDAK	(SEQ. ID. NO. 103)

FIGURE 7A

Protein name	Species	Truncated Peptide	SEQ ID NO:	% Identical	% Homolog
Ten-m1/odd Oz1	<i>M musculus</i>	QLLTGRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	37	100	
Teneurin-1	<i>G gallus</i>	QLLTGRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	138	97	97
Odd (odd Oz1/ten-m1) / tenascin M	<i>H sapiens</i>	QLLTGRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	69	97	97
Mouse DOC4-like protein	<i>H sapiens</i>	QLLTGRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	69	97	97
DOC4/Ten-m4 /odd Oz4	<i>M musculus</i>	QLLTGRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	61	85	92
Similar to odd Oz4/ten-m4/ KIAA1302 protein	<i>H sapiens</i>	QLLTGRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	93	85	95
Hypothetical protein/ DKFZp564O0423.1 (fragment)	<i>H sapiens</i>	QLLTGRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	93	85	95
odd Oz/ten-m3/ ODZ3	<i>M musculus</i>	QLLTGRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	53	80	90
Hypothetical protein FLJ10474; FLJ10886; unnamed protein products: AK001336, AK027473, AK001748	<i>H sapiens</i>	QLLTGRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	53	80	90
Putative (AK011924)	<i>M musculus</i>	QLLTGRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	53	80	90
N/A	<i>R trout</i>	QLLTGRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	13	80	90
Ten-m3	<i>D rerio</i>	QLLTGRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	21	75	90
Neurestin alpha	<i>R norvegicus</i>	QLLTGRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	77	70	90
Teneurin-2	<i>G gallus</i>	QLLTGRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	77	70	90
Ten-m2/ ODZ2/ odd Oz2	<i>M musculus</i>	QLLTGRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	77	70	90
Odd Oz/ten-m2/ KIAA1127 protein / hypothetical protein DKFZp761F71.1 (fragment)	<i>H sapiens</i>	QLLTGRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	77	70	90
Hypothetical protein	<i>H sapiens</i>	QLLTGRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	77	70	90
Odd Oz/ten-m2	<i>H sapiens</i>	QLLTGRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	77	70	90
Ten-m4	<i>D rerio</i>	QLLTGRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	29	57	89
odd Oz/tenascin-like protein/Ten-m gene product	<i>D melanogaster</i>	QLLTGRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	103	30	60

FIGURE 7B

FIGURE 6B



Mammalian TCAP Sequences

		Accession Numbers
human TCAP 1	QQLSTGRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI-NH2	nm_014253 (SEQ. ID. NO. 69)
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human TCAP 3	QQLSAGKVQGYDGYVLSVEQYPELADSSNIQFLRQSEI-NH2	ak001336 (SEQ. ID. NO. 85)
human TCAP 4	QQLSTGRVQGYDGYFVLSVEQYPELSDSANNIHFMRQSEM-NH2	ak056531 (SEQ. ID. NO. 94)
mouse TCAP 1	QQLSTGRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI-NH2	nm_011855 (SEQ. ID. NO. 37)
mouse TCAP 2	QQLSTGRVQGYEGYVLPVEQYPELADSSNIQFLRQNEI-NH2	nm_011856 (SEQ. ID. NO. 46)
mouse TCAP 3	QQLSAGKVQGYDGYVLSVEQYPELADSSNIQFLRQSEI-NH2	nm_011857 (SEQ. ID. NO. 53)
mouse TCAP 4	QQLSTGRVQGYDGYFVLSVEQYPELSDSANNIHFMRQSEM-NH2	ab025413 (SEQ. ID. NO. 66)
Rat TCAP 2	QQLSTGRVQGYEGYVLPVEQYPELADSSNIQFLRQNEI-NH2	nm_020088 (SEQ. ID. NO. 78)

Typographical
error corrected
"96" replaced
with -46--

Avian TCAP Sequences

chicken TCAP 1	QQLNTGRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI-NH2	aj238613 (SEQ. ID. NO. 101)
chicken TCAP 2	QQLNTGRVQGYEGYVLPVEQYPELADSSNIQFLRQNEI-NH2	aj279031 (SEQ. ID. NO. 136)

Piscine TCAP Sequences

Rainbow trout TCAP 3	QLSGRKVLGYDGYVLSIEQYPELADSSNIQFLRQSEI-NH2	not entered Yet (SEQ. ID. NO. 13)
zebrafish TCAP 3	QLSSGKVLGYDGYVLSVEQYPELADSSNIQFLRQSEI-NH2	nm_130968 (SEQ. ID. NO. 21)
zebrafish TCAP 4	QLSSGKVLGYDGYVLSVEQYPELADSSNIQFLRQSEI-NH2	ab026980 (SEQ. ID. NO. 30)
Insect Drosopholia	ELVQHGDVDGWNGLDIHSIKYPQLADOPGNVAFQDRAK	(SEQ. ID. NO. 103)

FIGURE 7A

Appl. No. 10/510,959

Amdt. Dated May 7, 2009

Reply to Office Action of November 7, 2008

Annotated Sheet Showing Changes

Column Added



Protein name	Species	Truncated Peptide	SEQ ID NO:	% Identical	% Homolog
Ten-m1/odd Ozd1	<i>M musculus</i>	QLLGTRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	37	100	
Teneurin-1	<i>G gallus</i>	QLLNTGRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	138	97	97
Oddz (odd Oz1/ten-m1) / tenascin M	<i>H sapiens</i>	QLLSTGRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	69	97	97
Mouse DOC4-like protein	<i>H sapiens</i>	QLLSTGRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	69	97	97
DOC4/Ten-m4 /odd Oz4	<i>M musculus</i>	QLLNTGRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	61	85	92
Similar to odd Oz4/ten-m4/ KIAA1302 protein	<i>H sapiens</i>	QLLSTGRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	93	85	95
Hypothetical protein/ DKFZp564O0423.1 (fragment)	<i>H sapiens</i>	QLLSTGRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	93	85	95
odd Oz/ten-m3/ ODZ3	<i>M musculus</i>	QLLSAGVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	53	80	90
Hypothetical protein FLJ10474; FLJ10886; unnamed protein products: AK001336, AK027473, AK001748	<i>H sapiens</i>	QLLSAGVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	53	80	90
Putative (AK011924)	<i>M musculus</i>	QLLSAGVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	53	80	90
N/A	<i>R trout</i>	QLLSGRVQGYDGYFVLSVEQYLELSDSANNIHFMRQSEI	13	80	90
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Teneurin-2	<i>G gallus</i>	QLLSTGRVQGYGYVLSVEQYLELSDSANNIHFMRQSEI	77	70	90
Ten-m2/ ODZ2/ odd Oz2	<i>M musculus</i>	QLLSTGRVQGYGYVLSVEQYLELSDSANNIHFMRQSEI	77	70	90
Odd Oz/ten-m2/ KIAA1127 protein / hypothetical protein DKFZp761F171.1 (fragment)	<i>H sapiens</i>	QLLSTGRVQGYGYVLSVEQYLELSDSANNIHFMRQSEI	77	70	90
Hypothetical protein	<i>H sapiens</i>	QLLSTGRVQGYGYVLSVEQYLELSDSANNIHFMRQSEI	77	70	90
Odd Oz/ten-m2	<i>H sapiens</i>	QLLSTGRVQGYGYVLSVEQYLELSDSANNIHFMRQSEI	77	70	90
Ten-m4	<i>D rerio</i>	QLLSGRVQGYGYVLSVEQYLELSDSANNIHFMRQSEI	29	57	89
odd Oz/tenascin-like protein/Ten-m gene product	<i>D melanogaster</i>	QLLSGRVQGYGYVLSVEQYLELSDSANNIHFMRQSEI	103	30	60

FIGURE 7B